

(1) to receive information of positions detected and sent in a time sequence from the pressure sensitive panel, the position information provided including when a special key is first pushed and thereafter when both of the special key and one of a plurality of general keys are pushed at the same time,

(2) to determine a target position using the received position information of when the special key is pushed and when both of the special key and said one general key are pushed; and

(3) to determine which of the plurality of general keys corresponds to the determined target position.

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10. (ADD) The virtual keyboard of claim 9 wherein the processor is further configured and arranged (4) to output a code corresponding to the combination of the pushed special key and the determined general key.

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11. (ADD) The virtual keyboard of claim 9 wherein to determine the target position the processor is configured and arranged to determine the position of the pushed special key, to determine a furthest returning position using the position information detected and sent in a time sequence when both the special key and the general key are pushed, and to calculate a distance between the special key and the furthest returning position.

12. (ADD) The virtual keyboard of claim 11 wherein to determine the target position the processor is further configured and arranged to calculate a position using

the determined position of the pushed special key and doubling the calculated distance between the special key and furthest returning position.

11. (ADD) A virtual keyboard comprising:

a display for displaying a keyboard;

a transparent pressure-sensitive panel disposed on the display;

a processor; and

wherein the processor is configured and arranged to:

(1) receive information of positions detected and sent in a time sequence from the pressure sensitive panel, the position information provided including when a special key is first pushed and thereafter when both of the special key and one of a plurality of general keys are pushed at the same time,

(2) determine a target position using the received position information of when the special key is pushed and when both of the special key and said one general key are pushed, including to determine the position of the pushed special key, to determine a furthest returning position using the position information detected and sent in a time sequence when both the special key and the general key are pushed, and to calculate a distance between the special key and the furthest returning position,

(3) determine which of the plurality of general keys corresponds to the determined target position, and

(4) output a code corresponding to the combination of the pushed special key and the determined general key.

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¹⁶~~12~~ (ADD) The virtual keyboard of claim ¹⁵~~11~~, wherein to determine the target position the processor is further configured and arranged to calculate the target position using the determined position of the pushed special key and doubling the calculated distance between the special key and furthest returning position.

¹⁹~~13~~ (ADD) The virtual keyboard of claim ¹⁶~~12~~, wherein the detected positions in a time sequence are established using a coordinate system, and wherein the position being calculated is calculated using each of coordinate position(s) of the pushed special key and doubling a calculated distance for each coordinate axis of the coordinate system, the calculated distance being representative of the distance between the special key and the furthest returning position.

²⁰~~14~~ (ADD) A method for determining a one of a plurality of general keys of a virtual keyboard being pushed in combination with a special key being pushed at the same time, comprising the steps of:

pushing the special key;
pushing both of the special key and the one of the plurality of general keys;
releasing both of the special key and one of the plurality of general keys;
detecting positions in a time sequence from a pressure sensitive panel of the virtual keyboard, the detected positions including when the special key is first pushed and thereafter when both of the special key and the one of the plurality of general keys are pushed at the same time

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determining a target position using the detected positions of when the special key is pushed and when both of the special key and the one of the plurality of general keys are pushed,

determining which of the plurality of general keys corresponds to the determined target position.

21 15. (ADD) The method of claim 20, further including the step of outputting a code corresponding to the combination of the pushed special key and the determined general key.

C1 cont 22 16. (ADD) The method of claim 20, wherein said determining the target position includes:

determining a position of the pushed special key when only the special key is being pushed;

determining a furthest returning position using the detected position information when both the special key and the one of the plurality of general keys are pushed at the same time; and

calculating a distance between the special key and the furthest returning position.

23 17. (ADD) The method of claim 22, wherein said determining the target position further includes calculating a target position using the determined position of the pushed special key and doubling the calculated distance between the special key